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(74) Agents: WEICKMANN & WEICKMANN et al.; Post-
fach 860 820, 81635 München (DE).

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(71) Applicant (*for all designated States except US*): DEVEL-
OGEN AKTIENGESELLSCHAFT FÜR ENTWICK-
LUNGSBIOLOGISCHE FORSCHUNG [DE/DE];
Rudolf-Wissell-Strasse 28, 37079 Göttingen (DE).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): GEESE, Marcus
[DE/DE]; Maria-Göppert-Weg 3, 37077 Göttingen (DE).
MEISE, Martin [DE/DE]; An der Tränke 10, 37079 Göt-
tingen (DE). BRÖNNER, Günter [DE/DE]; Springstrasse
54, 37077 Göttingen (DE).

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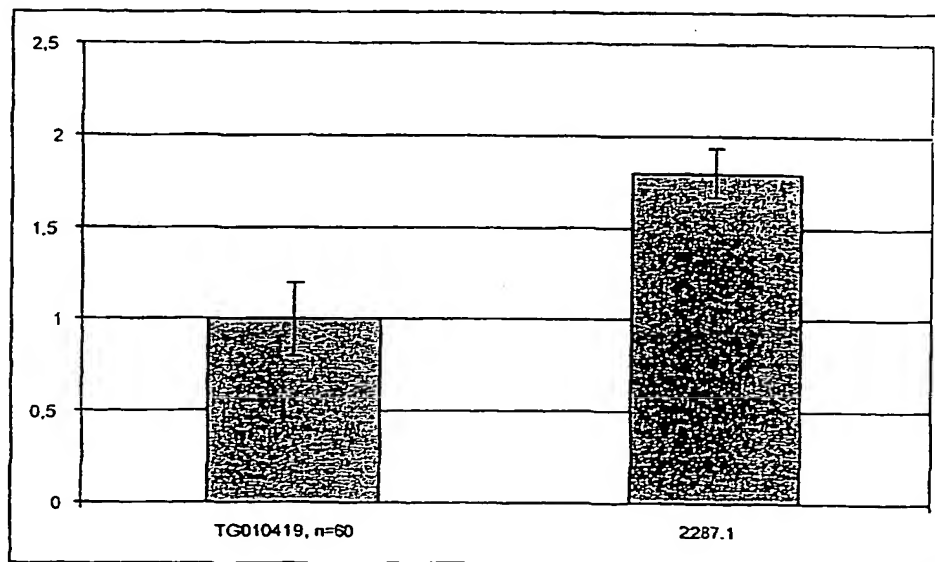
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(54) Title: CG3842 HOMOLOGOUS PROTEINS INVOLVED IN THE REGULATION OF ENERGY HOMEOSTASIS

Triglyceride content of a CG3842 mutant



(57) **Abstract:** The present invention discloses CG3842 or SCAD homologous proteins regulating the energy homeostasis and the metabolism of triglycerides, and polynucleotides, which identify and encode the proteins disclosed in this invention. The invention also relates to the use of these sequences in the diagnosis, study, prevention, and treatment of metabolic diseases and disorders.